

Find the Percentage

EXAMPLE 8% of 20 is _____.

8% of 20 is n

$$.08 \times 20 = n$$

$$1.6 = n$$

Directions Solve for the percentage.

- | | |
|--------------------------|---------------------------|
| 1) 8% of 20 is _____ | 25) 2.8% of 9.02 is _____ |
| 2) 4% of 53 is _____ | 26) 2.4% of 76 is _____ |
| 3) 28% of 4 is _____ | 27) 5% of .083 is _____ |
| 4) 6% of 125 is _____ | 28) .6% of 435 is _____ |
| 5) 2% of 86 is _____ | 29) .7% of 7.49 is _____ |
| 6) 43% of 14 is _____ | 30) 129% of 4.2 is _____ |
| 7) 75% of 92 is _____ | 31) .03% of 141 is _____ |
| 8) 21% of 34 is _____ | 32) .8% of .2 is _____ |
| 9) 92% of 62 is _____ | 33) .82% of 403 is _____ |
| 10) 53% of 80 is _____ | 34) 245% of 2.6 is _____ |
| 11) 15% of 28 is _____ | 35) 10% of 45 is _____ |
| 12) 92% of 65 is _____ | 36) 3.4% of 500 is _____ |
| 13) 3% of 2.1 is _____ | 37) 45% of 100 is _____ |
| 14) 40% of 3.5 is _____ | 38) 23.4% of 300 is _____ |
| 15) 7% of .7 is _____ | 39) 140% of 62 is _____ |
| 16) 6% of 2.3 is _____ | 40) 7% of 250 is _____ |
| 17) 122% of 42 is _____ | 41) .46% of 746 is _____ |
| 18) 136% of 5 is _____ | 42) 6.5% of 30 is _____ |
| 19) 200% of 73 is _____ | 43) 7.9% of 500 is _____ |
| 20) .4% of 96 is _____ | 44) 200% of .33 is _____ |
| 21) 7.2% of 48 is _____ | 45) 9% of 9 is _____ |
| 22) 5.3% of 70 is _____ | 46) 61.3% of 494 is _____ |
| 23) .8% of 245 is _____ | 47) 20% of 10 is _____ |
| 24) 1.6% of 1.4 is _____ | 48) 150% of 200 is _____ |

Find the Base

EXAMPLE

5% of _____ is 1.4

5% of n is 1.4

$$.05 \times n = 1.4$$

$$n = 1.4 \div .05$$

$$n = 28$$

$$\begin{array}{r}
 28 \\
 .05 \overline{) 1.40} \\
 \underline{-10} \\
 40 \\
 \underline{-40} \\
 0
 \end{array}$$

Directions Solve for the base.

- | | |
|----------------------------|----------------------------|
| 1) 5% of _____ is 1.4 | 25) 4% of _____ is .0176 |
| 2) 2% of _____ is 3.6 | 26) .21% of _____ is .0735 |
| 3) 6% of _____ is 1.8 | 27) 150% of _____ is 135 |
| 4) 3% of _____ is .27 | 28) 125% of _____ is 62.5 |
| 5) 7% of _____ is .196 | 29) 5.2% of _____ is .0988 |
| 6) 4% of _____ is 1.28 | 30) 3.4% of _____ is .3094 |
| 7) 50% of _____ is 2.7 | 31) .5% of _____ is 1.19 |
| 8) 35% of _____ is 30.8 | 32) .21% of _____ is .0147 |
| 9) 6% of _____ is .078 | 33) .32% of _____ is .32 |
| 10) 8% of _____ is .32 | 34) .75% of _____ is 7.5 |
| 11) 2.5% of _____ is .15 | 35) 8% of _____ is .416 |
| 12) 7.3% of _____ is 2.044 | 36) 1.4% of _____ is .196 |
| 13) 120% of _____ is 50.4 | 37) 6% of _____ is .138 |
| 14) 3.4% of _____ is 2.38 | 38) 5% of _____ is .115 |
| 15) 9% of _____ is .315 | 39) 120% of _____ is 102 |
| 16) 5% of _____ is .13 | 40) 1% of _____ is .03 |
| 17) 5% of _____ is .0235 | 41) .9% of _____ is 1.35 |
| 18) 41% of _____ .82 | 42) 6.3% of _____ is .252 |
| 19) 3% of _____ is .045 | 43) 8% of _____ is 16 |
| 20) 245% of _____ is 191.1 | 44) 4% of _____ is .024 |
| 21) 9% of _____ is .0594 | 45) 1.6% of _____ is 3.376 |
| 22) .3% of _____ is .135 | 46) .25% of _____ is .0875 |
| 23) .75% of _____ is .9 | 47) .4% of _____ is 1.14 |
| 24) .8% of _____ is .4 | 48) 1% of _____ is .011 |

Find the Rate

EXAMPLE

_____ % of 80 is 4.8

 $n\%$ of 80 is 4.8

$$n \times .80 = 4.8$$

$$n = 4.8 \div .80$$

$$n = 6\%$$

$$\begin{array}{r}
 6 \\
 .80 \overline{)4.8} \\
 \underline{-4.8} \\
 0
 \end{array}$$

OR

$$n \times 80 = 4.8$$

$$n = \frac{4.8}{80}$$

$$n = .06 = 6\%$$

Directions Solve for the rate.

- | | |
|------------------------------|-------------------------------|
| 1) _____ % of 80 is 4.8 | 25) _____ % of 700 is 9.8 |
| 2) _____ % of 35 is 1.05 | 26) _____ % of 40 is .32 |
| 3) _____ % of 70 is 3.5 | 27) _____ % of 200 is .14 |
| 4) _____ % of 30 is 1.8 | 28) _____ % of 3,000 is 1.8 |
| 5) _____ % of 80 is 5.6 | 29) _____ % of 2.5 is .9 |
| 6) _____ % of 20 is 1.8 | 30) _____ % of 4.2 is .546 |
| 7) _____ % of 80 is .56 | 31) _____ % of 4 is .12 |
| 8) _____ % of 200 is 102 | 32) _____ % of 400 is .08 |
| 9) _____ % of 20 is 7 | 33) _____ % of 22 is 56.1 |
| 10) _____ % of 300 is 45 | 34) _____ % of 30 is 106.5 |
| 11) _____ % of 100 is 9 | 35) _____ % of 80 is 14 |
| 12) _____ % of 2,000 is 360 | 36) _____ % of 80 is 5.6 |
| 13) _____ % of 35 is 2.8 | 37) _____ % of 90 is 5.4 |
| 14) _____ % of 305 is 48.8 | 38) _____ % of 50 is 100 |
| 15) _____ % of 20 is 30 | 39) _____ % of 23 is 2.3 |
| 16) _____ % of 64 is 112 | 40) _____ % of 120 is 300 |
| 17) _____ % of 10.5 is .84 | 41) _____ % of 22 is .33 |
| 18) _____ % of 250 is 70 | 42) _____ % of 30 is 2.85 |
| 19) _____ % of 38 is 1.14 | 43) _____ % of 70 is 4.9 |
| 20) _____ % of 72 is 1.08 | 44) _____ % of .16 is .000136 |
| 21) _____ % of 206 is 16.48 | 45) _____ % of 50 is 9 |
| 22) _____ % of 500 is 4.5 | 46) _____ % of 70 is .21 |
| 23) _____ % of 2.06 is .1442 | 47) _____ % of 1.5 is .018 |
| 24) _____ % of 600 is 420 | 48) _____ % of 200 is .14 |

Percent Sentences

Directions Solve for the percentage.

- | | |
|-----------------------------|-------------------------|
| 1) 25% of 60 is <u>15</u> . | 6) 20% of 30 is _____. |
| 2) 82% of 50 is _____. | 7) 80% of 90 is _____. |
| 3) 90% of 60 is _____. | 8) 23% of 65 is _____. |
| 4) 35% of 36 is _____. | 9) 10% of 150 is _____. |
| 5) 92% of 100 is _____. | 10) 9% of 250 is _____. |

Directions Solve for the base.

- | | |
|---------------------------|---------------------------|
| 1) 15% of <u>60</u> is 9. | 6) 92% of _____ is 23. |
| 2) 60% of _____ is 15. | 7) 17% of _____ is 51. |
| 3) 20% of _____ is 8. | 8) 30% of _____ is 21. |
| 4) 62% of _____ is 10.54. | 9) 62% of _____ is 19.84. |
| 5) 53% of _____ is 106. | 10) 35% of _____ is 21. |

Directions Solve for the rate.

- | | |
|-------------------------------|---------------------------|
| 1) <u>80</u> % of 9.5 is 7.6. | 6) _____ % of 26 is 0.65. |
| 2) _____ % of 70 is 21. | 7) _____ % of 36 is 1.98. |
| 3) _____ % of 45 is 4.05. | 8) _____ % of 30 is 9. |
| 4) _____ % of 30 is 21. | 9) _____ % of 70 is 10.5. |
| 5) _____ % of 80 is 72. | 10) _____ % of 50 is 65. |

Directions Complete each percent sentence.

- | | |
|---------------------------------|----------------------------|
| 1) <u>15</u> % of 2.5 is 0.375. | 6) 75% of _____ is 225. |
| 2) 5.5% of _____ is 0.2475. | 7) 10% of _____ is 0.26. |
| 3) 0.5% of 75 is _____. | 8) _____ % of 6.2 is 1.24. |
| 4) 2.8% of _____ is 18.2. | 9) 0.8% of 80 is _____. |
| 5) _____ % of 240 is 192. | 10) 0.25% of 16 is _____. |